

FILE 'MEDLINE' ENTERED AT 09:26:30 ON 24 FEB 2003

L1 8543 S HIV ANTIBOD?
L2 753494 S DETECT?
L3 1530 S TEST(W) STRIP? OR DIPSTICK
L4 5 S L1 AND L2 AND L3

L Number	Hits	Search Text	DB	Time stamp
2	427	((HIV adj antibody or HIV adj antibodies) with detect\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:24
4	3045	dipstick	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:29
5	11	((HIV adj antibody or HIV adj antibodies) with detect\$3) and (dipstick)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:26
6	10579	dipstick or test adj strip	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:30
7	33	((HIV adj antibody or HIV adj antibodies) with detect\$3) and (dipstick or test adj strip)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:30
8	2084	tetramethylbenzidine	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:31
9	1596	urea adj peroxide	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:31
10	33	tetramethylbenzidine and (urea adj peroxide)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:31
11	1	((((HIV adj antibody or HIV adj antibodies) with detect\$3) and (dipstick or test adj strip)) and (tetramethylbenzidine and (urea adj peroxide)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:31
12	2	((HIV adj antibody or HIV adj antibodies) with detect\$3) and (tetramethylbenzidine and (urea adj peroxide))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/24 08:31

L4 ANSWER 2 OF 5 MEDLINE
 ACCESSION NUMBER: 97171032 MEDLINE
 DOCUMENT NUMBER: 97171032 PubMed ID: 9018305
 TITLE: An evaluation of **dipstick**-dot immunoassay in the
detection of antibodies to HIV-1 and 2 in Zimbabwe.
 AUTHOR: Ray C S; Mason P R; Smith H; Rogers L; Tobaiwa O;
 Katzenstein D A
 CORPORATE SOURCE: Zimbabwe AIDS Prevention Project, University of Zimbabwe,
 Harare, Zimbabwe.
 CONTRACT NUMBER: AI-33868-02 (NIAID)
 SOURCE: TROPICAL MEDICINE AND INTERNATIONAL HEALTH, (1997 Jan) 2
 (1) 83-8.
 Journal code: 9610576. ISSN: 1360-2276.
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 AB There is a need, in many developing countries, for simple and inexpensive
 HIV serology tests for use at the district level of health care. The
 Programme for Appropriate Technology in Health has developed a simple
dipstick ELISA to **detect** antibodies to HIV-1 and 2, at a
 cost considerably lower than current ELISAs, which requires no specialized
 washing or reading equipment. In order to evaluate this **dipstick**
 under local conditions we used a panel of 546 sera selected from frozen
 stocks maintained by the Zimbabwe AIDS Prevention Project in Harare,
 Zimbabwe. Prior to storage, the sera had been tested by Abbott recombinant
 peptide HIV-1 and 2 ELISA and Enzygnost synthetic peptide HIV-1 and 2
 ELISA. The panel included sera that were positive by both (including
 symptomatics and asymptomatics), negative by both, and sera showing
 discrepant test results. The panel was not representative of a "normal"
 batch of sera in Zimbabwe, and in particular included an abnormally high
 number of sera showing discrepant results. Thawed sera were retested using
 the Abbott recombinant peptide HIV-1 and 2 ELISA and concurrently with the
 synthetic peptide ICL-Dipstick ELISA. Both the sensitivity and
 specificity of the ICL Dipstick exceeded 99% when using sera
 that were positive or negative in all 3 plate ELISAs as the gold standard.
 When using sera that gave discrepant results between the two pre-storage
 ELISAs, most results with the ICL Dipstick concurred with
 findings from other test systems, including Western blot and p24 antigen
detection. Considering the accuracy, low cost and ease of
 operation of the ICL Dipstick ELISA, this test can be
 recommended for use for the rapid **detection** of antibodies to HIV
 at district level in developing countries.